National Aeronautics and
Space Administration

Glenn Research Center
Lewis Field
Cleveland, Ohio 44135-3191

Mechanical Engineer Student Trainee Position

Research and Technology Directorate (5000)
NASA Glenn Research Center, Cleveland, OH

Job Description: Co-op student will perform engineering duties with rotation into various branches in the Research and Technology Directorate (5000), such as the Life Prediction Branch (5920), the Structural Mechanics & Dynamics Branch (5930), the Mechanical Components Branch (5950) and the Tribology & Surface Science Branch (5960), the Electrical Systems Development Branch (5450) or Thermo-Mechanical Systems Branch (5490). The student will work closely with researchers in the branches to develop and test the structural integrity of advance high temperature materials, perform structural dynamic test and simulations for engine spacecraft components, perform tests on drive train systems for new propulsion concepts, develop advanced seals and bearing technologies, and develop/analyze lubricants for aerospace applications. The student will perform both computational simulation and experimental research, which may include defining simulation requirements and experimental hardware, as well as conducting device fabrication and testing. Complexity of tests and simulations will increase as the student gains experience

Length of Position: Alternating quarters/semesters until graduation.

Job Openings: 1 open position

Eligibility:
Bachelor's Junior/Senior or Master's in Mechanical Engineering
Minimum entry GPA 3.0 (4.0 scale)
United States Citizen
Enrolled as a full-time student
Enrolled in university's co-op program
Must be recommended by appropriate staff member at University.

Salary Range: $9.57 - 14.89 per hour (based on 2002 salary table)

Closing Date: Until filled

Send Applications to:
Mr. Michael Goin, MS 15-4
Cooperative Education Coordinator
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